



The MGC-50 is the industry's best entry-level multipoint IP visual communications platform. Whether your network is centralized or distributed, the MGC-50 is the only video network processor to offer the power and features needed to provide high quality, mission-critical visual communications.

Today's world consists of many different networks and video protocols. Supporting IP networks alone may not be sufficient to address this. The MGC-50 can be easily upgraded to provide multi-network gateway connectivity. Simply adding additional network modules turns your entry-level MGC-50 into a complete video network switch/gateway for IP, ISDN and ATM networks.

BROADBAND VISUAL COMMUNICATIONS ARCHITECTURE

The MGC-50 provides enterprise class reliability and availability in a stand-alone or rack mountable chassis.

- From 6 to 192* ports IP
- Connection speeds up to 1.5Mbps (IP)
- Mission critical fault-tolerant design
- 8 slot chassis
- All modules:
 - Front accessible
 - Hot-swappable
 - Self-configuring
 - Compatible with MGC-100™

MULTI-NETWORK CONNECTIVITY

The MGC-50 provides IP, ISDN and ATM in a single platform.

- Connects directly with H.323 (IP) networks
- Supports H.320 (ISDN) and H.321 (ATM) networks
- Designed to incorporate new standards as they emerge, all within a single platform
- All supported networks can access and utilize the MGC-50's advanced features
- NO external gateways necessary

Advanced Features That Make A Difference!

The MGC-50 provides the most advanced features of any MCU.

Now you can produce your conference, any way you want, making the remote meeting experience more like a face-to-face meeting.

Continuous Presence

- Up to 21 different layouts
- Layouts changeable 'on-the-fly'
- Each window within each layout can be set as fixed or voice activated

Multi-Way Transcoding

- Allows sites with different frame rates, connection speeds, audio algorithms, resolutions, and network protocols to transparently connect with one another
- Ensures that all sites connect at their optimal capabilities
- Ensures that conferences start on time by simplifying the connection process
- Ensures conference reliability

Greet and Guide™ (ISDN and ATM)

- Customizable conference welcome screens and audio greeting messages
- Operator(s) can guide users through every part of the conference:
 - Greet users as they connect
 - Drag and drop participants between conferences
 - Create subconferences

Powerful Management System

The MGC-50 provides the most flexible suite of system and conference management applications of any MCU. Three different management applications are offered to provide the power and flexibility required for both local and remote access and support.

- WebCommander™ empowers users to schedule and manage their own conferences using Netscape or Microsoft Web browsers
- MGC Manager™ provides comprehensive operator control - from conference scheduling and management to system configuration, diagnostics and maintenance
- Touch Tone Conference Manager (TTCM) empowers users to manage their own conferences using a standard touch-tone telephone

Easy Maintenance

The MGC-50 reduces the need for on-site maintenance through advanced remote system monitoring tools.

- Remote diagnostics and problem resolution
- Remote software downloads
- Support for multiple MGC systems





System Capacity

Maximum number of IP ports	72*
<i>Ports can be increased by cascading multiple MGC systems</i>	
Maximum number of simultaneous conferences	24
Maximum number of Continuous Presence conferences	8

SUPPORTED IP PROTOCOLS

Videoconferencing	• H.323
Communications	• H.245
Video	• H.261, H.263, H.263+
Audio	• G.711, G.722, G.722.I, G.723, G728, Siren 7 (16, 24, 32Kbps)

SUPPORTED ISDN/ATM PROTOCOLS (optional)

Videoconferencing	• H.320, H.321, T.120
Telephony	• H.320
Multi-way	• H.231, H.243 Cascading and Chair Control • H.281 FECC (Far End Camera Control)
Video	• H.261, H.263, H.263+, H.263
Audio	• G.711, G.722, G.722.I, G.728, Siren 7 (16, 24, 32Kbps)
Data	• H.243 LSD, T.122/T.125 (MCS), T.123, T.124 (GCC)
Communications	• H.221, H.242
Channel aggregation	• H.221, BONDING Mode I, H0

SUPPORTED INTERFACES

Standard interface: H.323	• 10/100Mbps Ethernet
Optional Interfaces: H.320	• PRI-T1, PRI-E1, E1/T1 Leased line, V.35/RS-449/EIA-530 with RS-366 dialing, KG (encryption) support
H.321	• 25Mbps, 155Mbps (OC3)

EXTERNAL COMMUNICATIONS

Data Rates	H.323	• Up to 1.5Mbps
	H.320	• Up to 1.5/2.0Mbps (56 and 64Kbps channels)
	H.321	• Up to 1.5Mbps
Clock Synchronization		
		• Internal clock or external network

ENVIRONMENT

Operating Temperature	• 10° to 40° C (50° to 104° F), 3400 BTU per hour
Storage Temperature	• -40° to 70° C (-40° to 158° F)
Relative Humidity	• 15 to 90% non-condensing
Operating Altitude	• Up to 3,000 m (10,000 ft)
Storage Altitude	• Up to 12,000 m (40,000 ft)
Operating	ESD
Storage	ESD
	• +8 kV
	• +15 kV

Physical Dimensions

Height 40.8cm (16 inches)	
Depth 50.2cm (19 inches)	
Weight Net 30kg (66lbs), including packaging 52kg (110lbs)	

Width 38.1cm (15 inches)

Power 120-230VAC, 50/60Hz

Optional 19 inch rack mount kit

* Available second half 2001

US OFFICE

Atlanta, Georgia, USA
Phone: +1 770 641 4400
Fax: +1 770 641 4499

EUROPEAN OFFICE

Hare Hatch, Berkshire, UK
Phone: +44 1189 704400
Fax: +44 1189 704499

ISRAEL OFFICE

Petach-Tikva, Israel
Phone: +972 3 925 1444
Fax: +972 3 921 1571

ASIA OFFICE

Beijing, China
Phone: +86 10 65908321
Fax: +86 10 65908368

